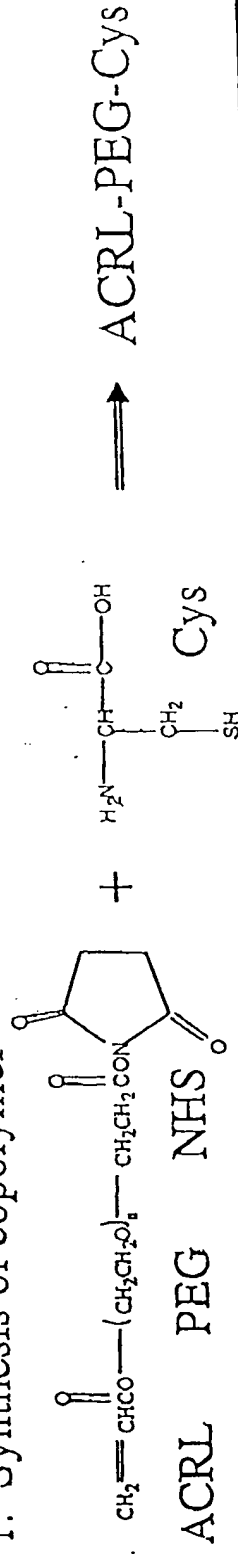
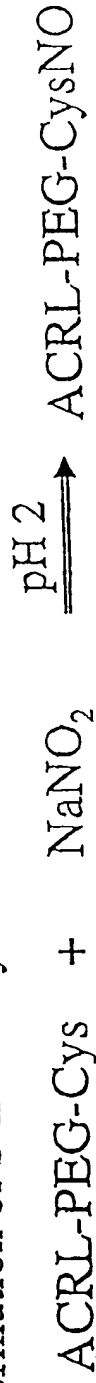


DOI: 10.1002/sct.20000 Synthesis of S-nitrosocysteine hydrogels

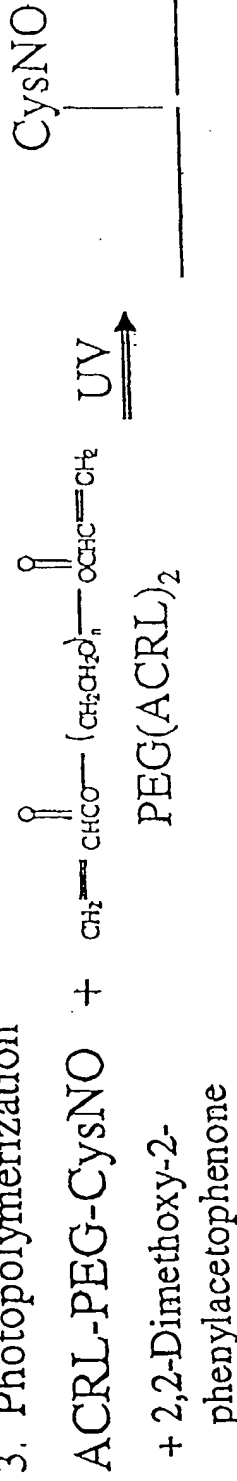
1. Synthesis of copolymer



2. Formation of S-nitrosocysteine



3. Photopolymerization



4. Release of NO

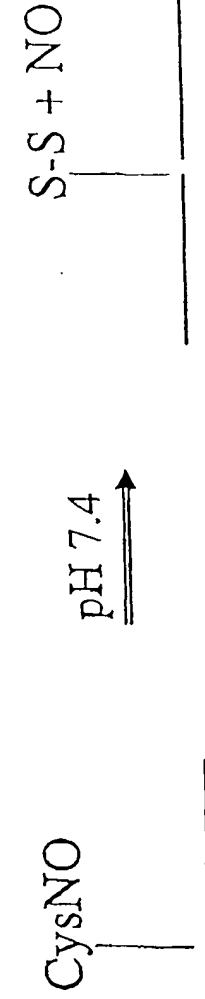


FIGURE 1

Synthesis of Lys₅-NO-nucleophile complex hydrogels

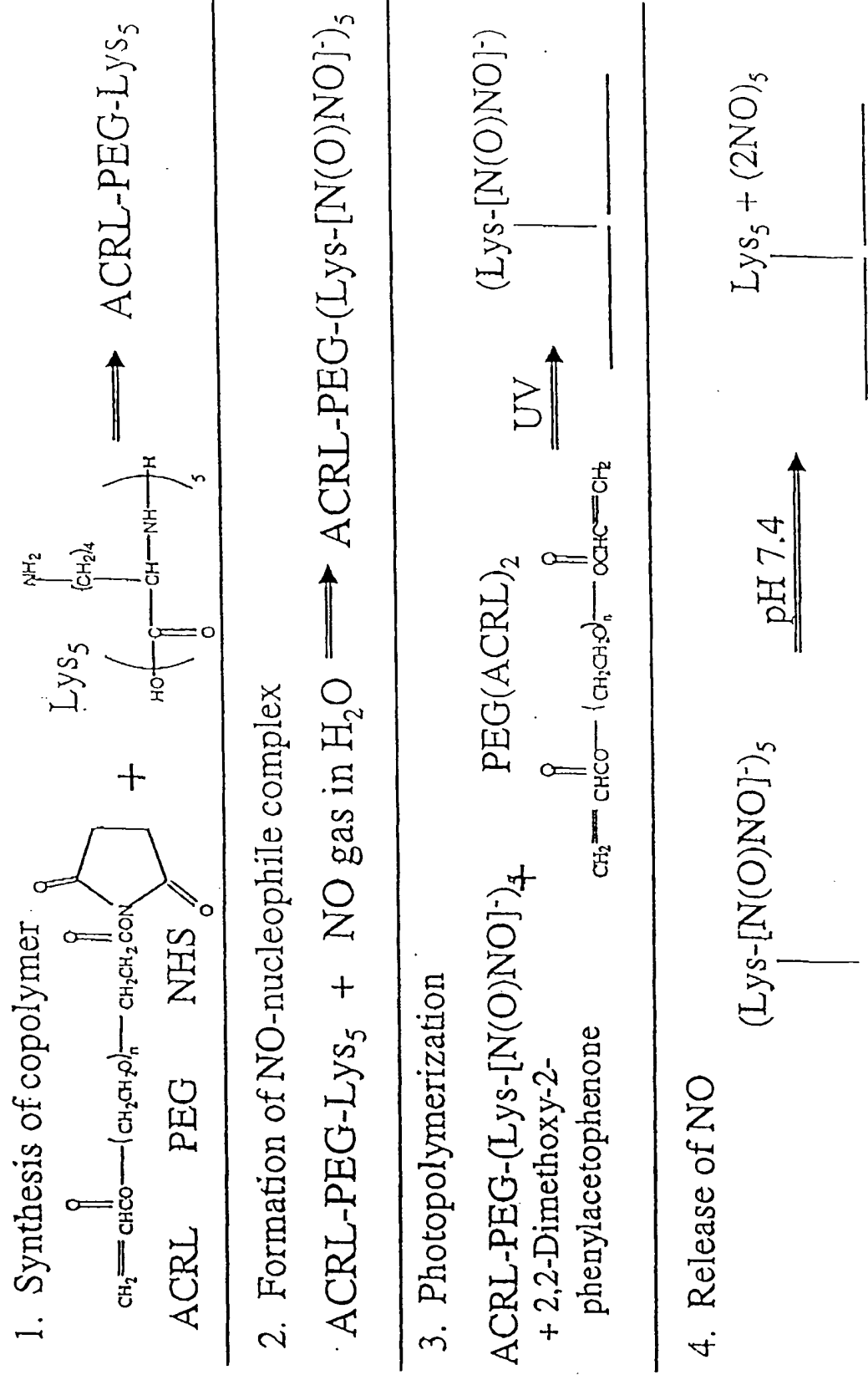
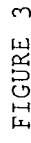
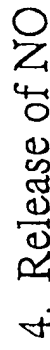
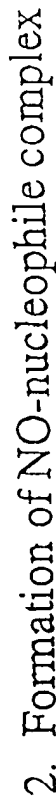


FIGURE 2

I. Synthesis of copolymer.



007060" 904E960

NO Release from PEG-Lys₅-NO

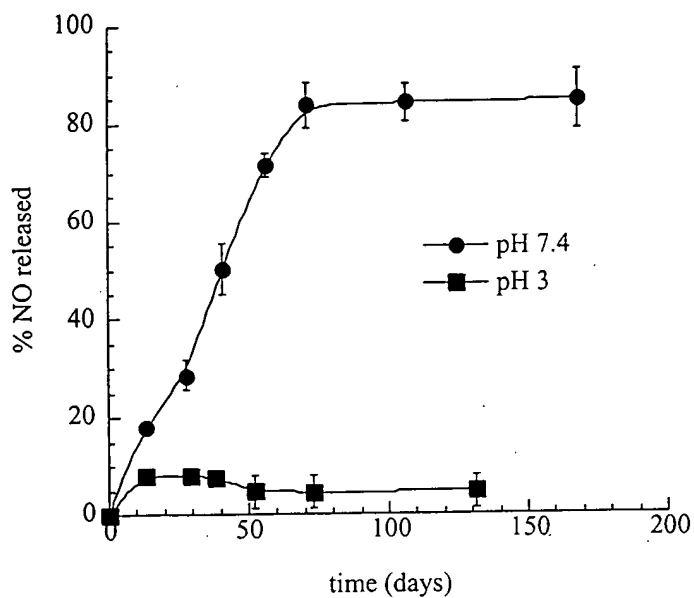


FIGURE 4

NO Release from PEG-DETA-NO hydrogels

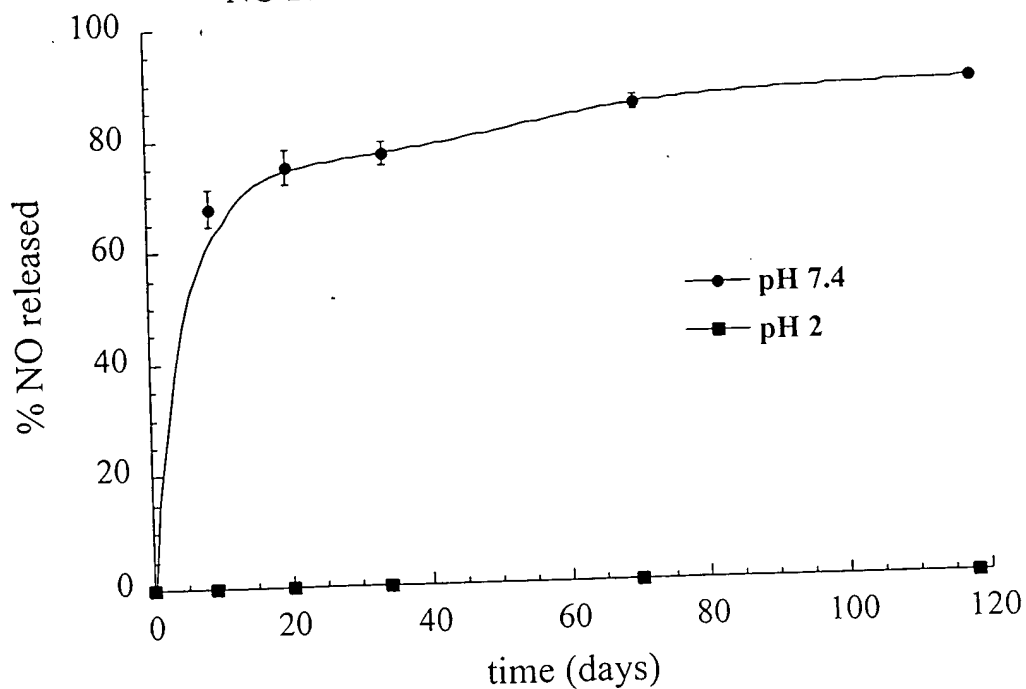


FIGURE 5

001050" 304E5960

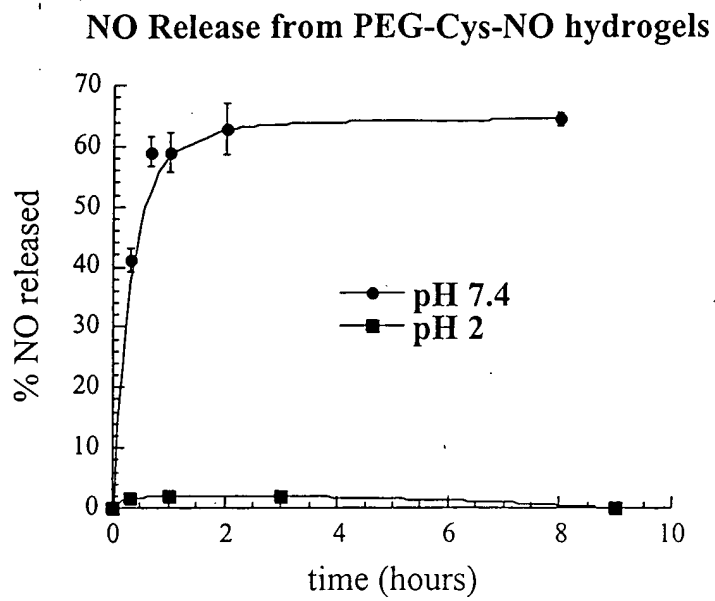


FIGURE 6

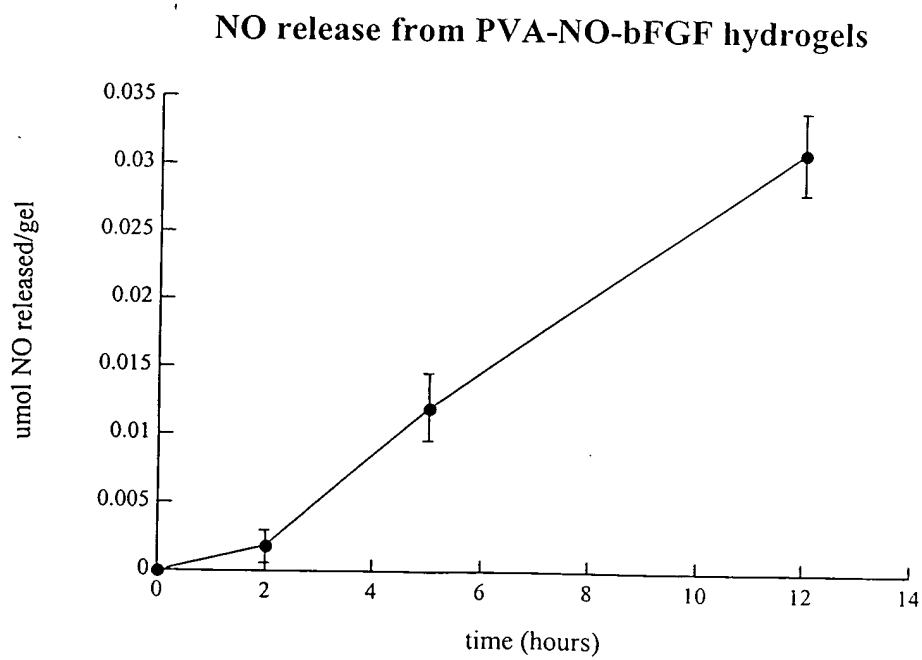


Figure 7

Lys-NO hydrogels inhibit SMC proliferation

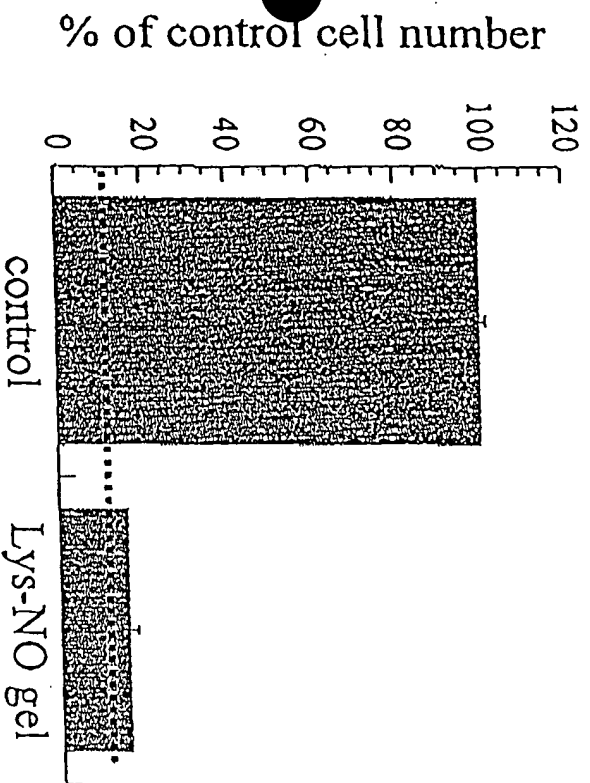


FIGURE 84

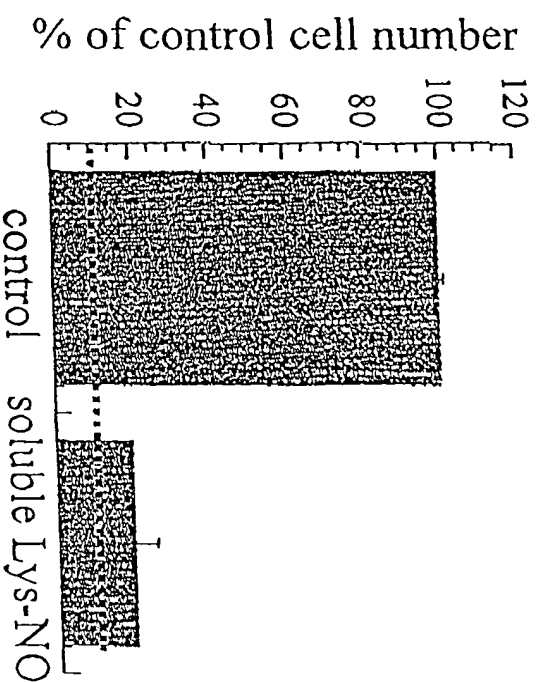


FIGURE 86

09653406, 090100

DETA-NO hydrogels inhibit SMC proliferation

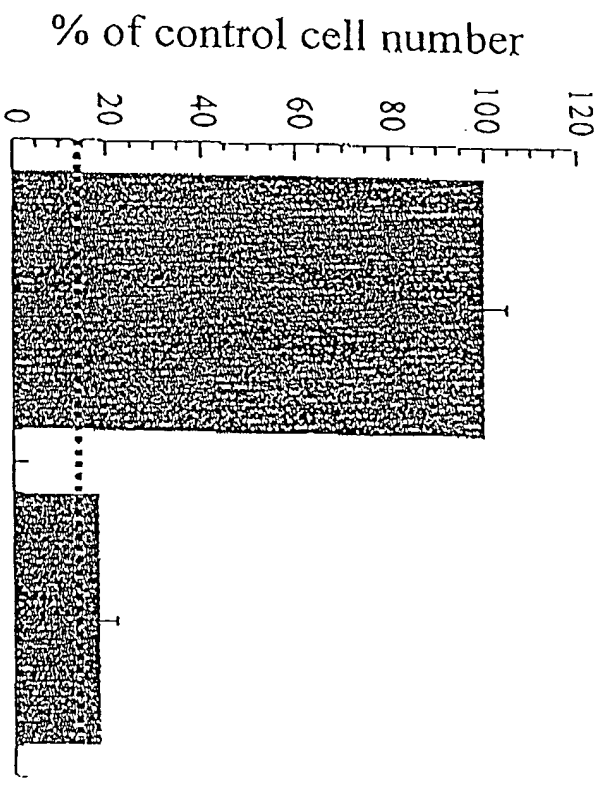
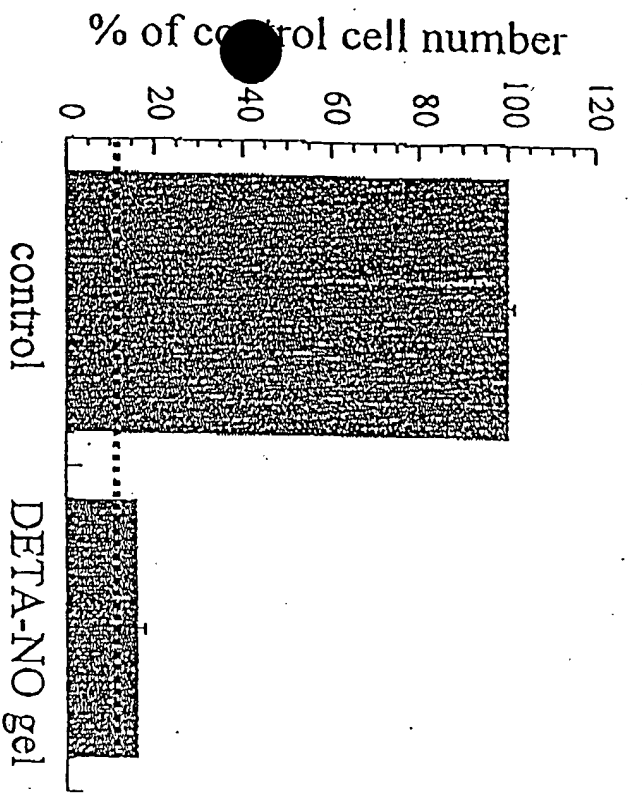
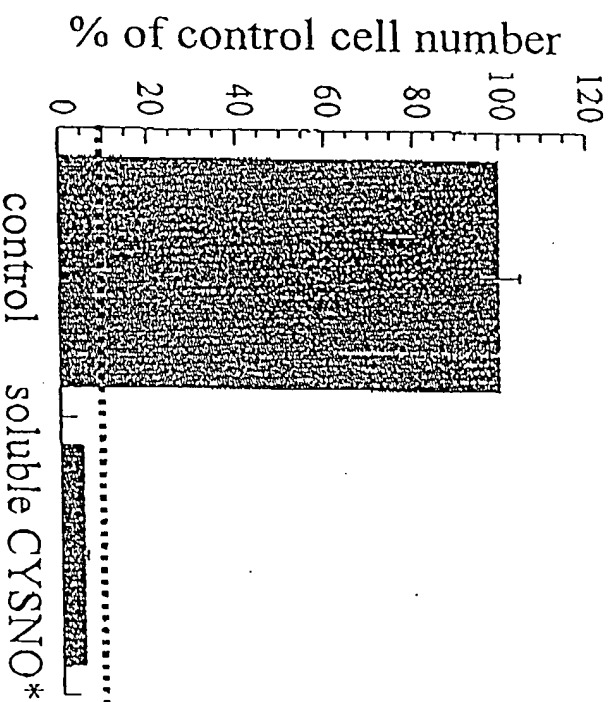
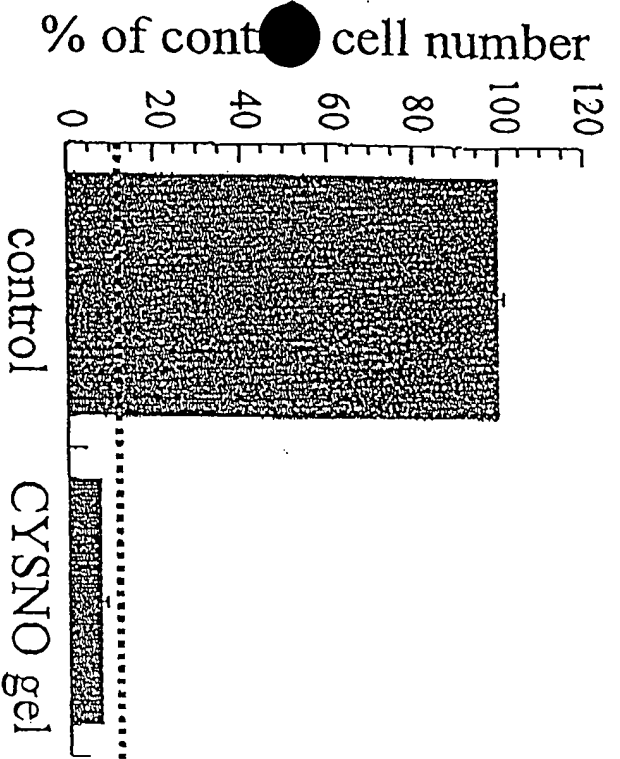


FIGURE 9A

CYSNO hydrogels inhibit SMC proliferation

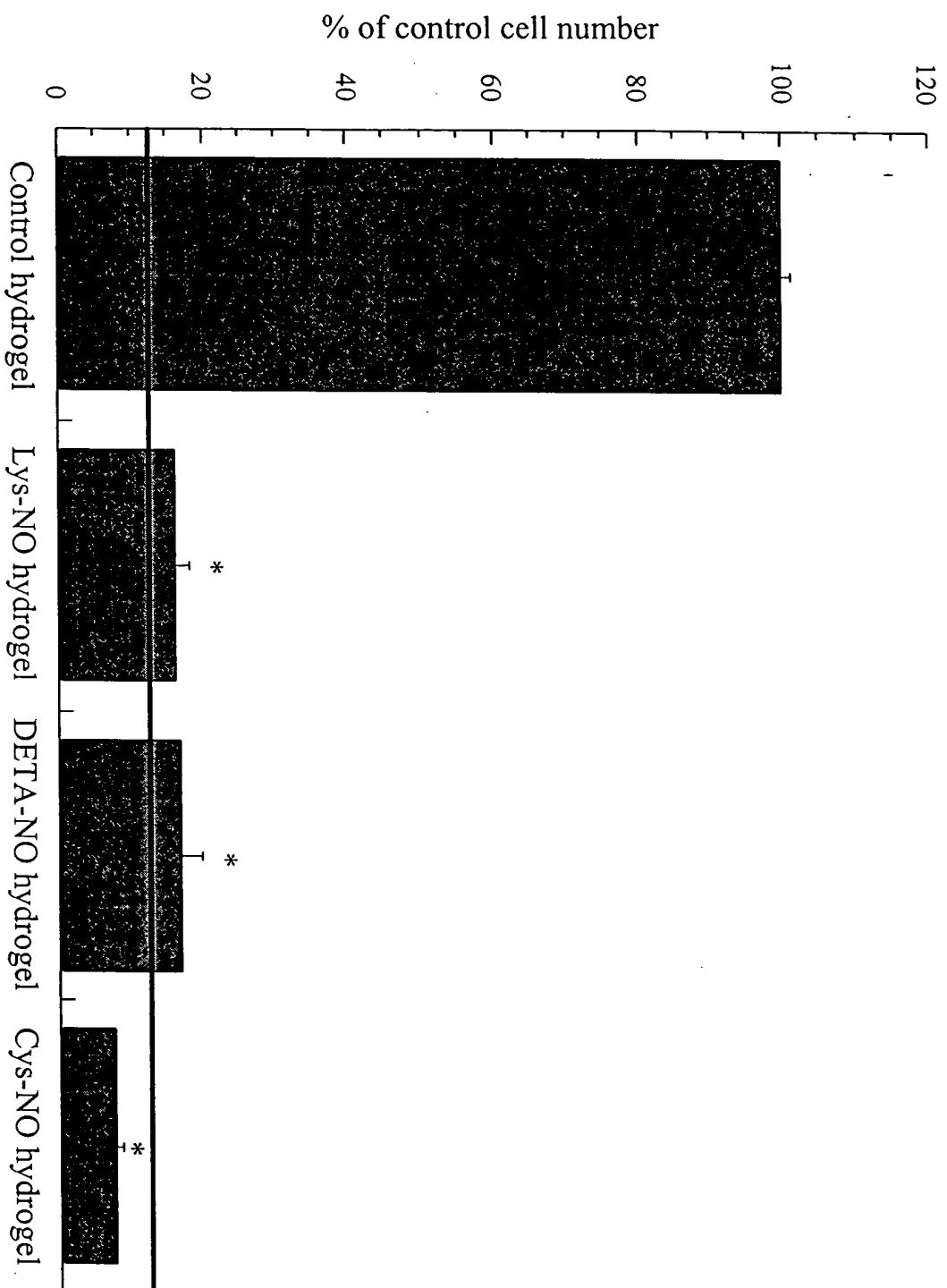


* indicates different CYSNO concentration than used for hydrogel

FIGURE 10A

FIGURE 10B

NO-releasing hydrogels inhibit smooth muscle cell growth



007060" 904E5960

NO release from PVA-NO-bFGF hydrogels

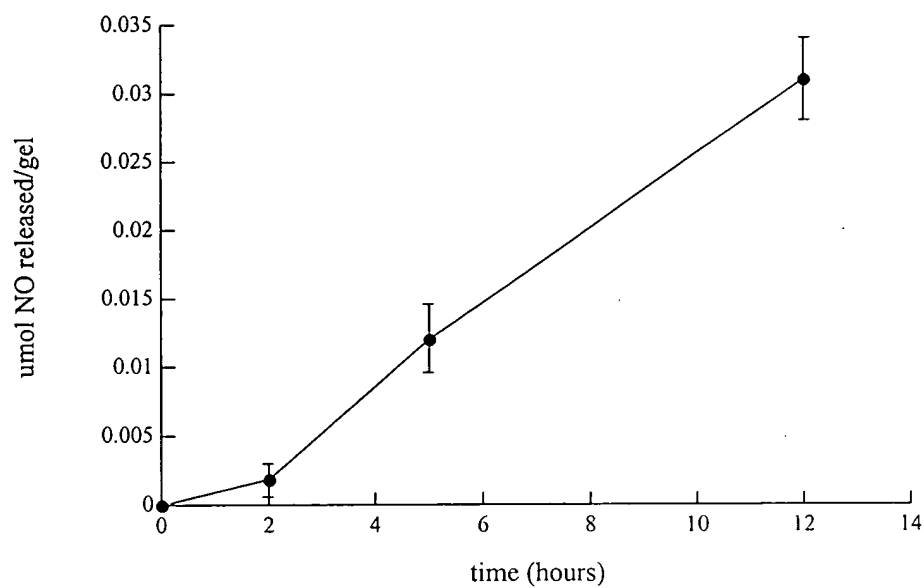


Figure 12A

bFGF release from PVA-NO-bFGF hydrogels

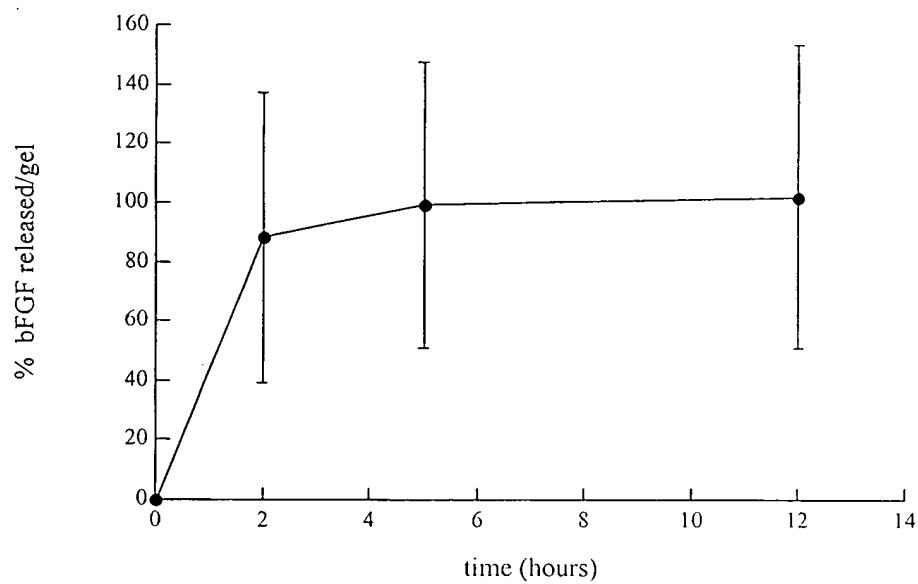


Figure 12B